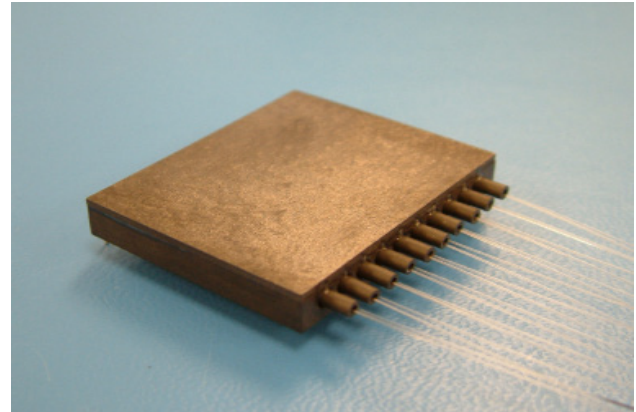


Unidirectional Tap Detector Array, 4, 8 and 10 Channels

Applications:

EDFA Power Monitoring/Control
DWDM Channel Monitoring
ROADM Port Monitoring/Control



Features:

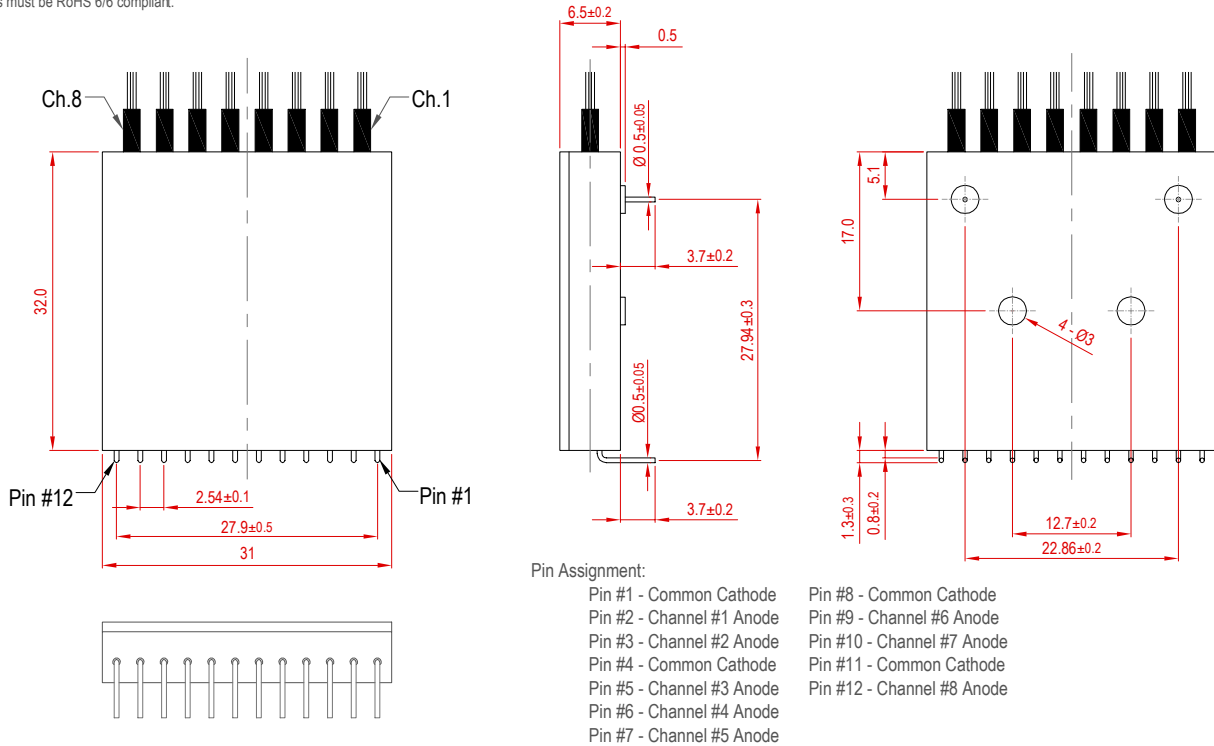
Low Insertion Loss		
Low Wavelength Dependent Loss	Telcordia GR-468-CORE Compliant	Excellent Thermal Stability
Low Dark Current	Broad Wavelength Range	RoHS 6/6 Compliant

Description:

Go!Foton's integrated Unidirectional Tap Detector is now available in a 4ch, 8ch, or 10ch array package. Go!Foton's Unidirectional Tap Detector combines 3 important optical functions in to a single package: an optical tap based on Go!Foton's filter on lens technology, an isolator function achieved through Go!Foton's proprietary packaging technique, and a PIN photodiode based on Go!Foton's proprietary InGaAs fabrication process. The hermetically sealed InGaAs photo detector has a low dark current, a flat and rapid power response and extremely high temperature stability across a wide wavelength range. Go!Foton's filter on lens allows customers to choose tap proportion as well as wavelength range so that monitoring can be achieved on a single wavelength or a broad spectrum. Now these industry leading performance components are available in Array type packages to support densely packaged multi-channel power monitoring applications. Fewer component parts result in greater space efficiency, ease of handling, and inherently higher reliability.

Dimensions :

NOTES: Unless Otherwise Specified
1. Final parts must be RoHS 6/6 compliant.



Specifications:

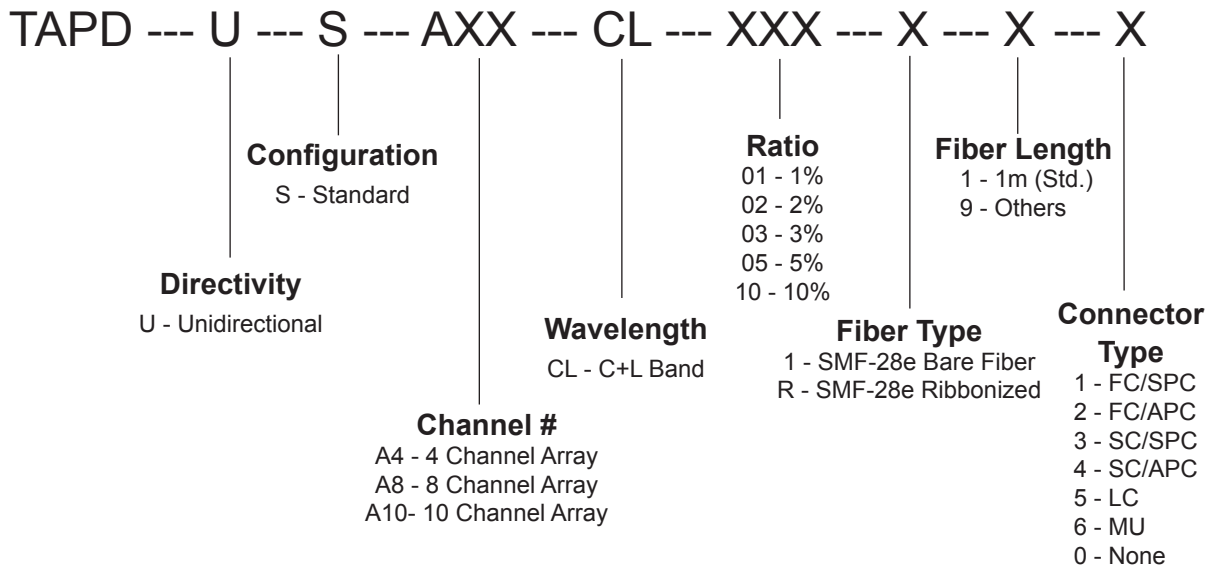
Tap Ratio		0.5%	1%	2%	3%	5%	10%
Wavelength Range	nm	1520 ~ 1610					
Insertion Loss	dB	<0.5	<0.5	<0.5	<0.5	<0.6	<0.8
Wavelength Flatness	dB	<0.15					
Temperature Dependent Loss	dB	<0.15					
Polarization Dependent Loss	dB	<0.05					
Maximum Optical Return Loss	dB	>50					
PD Bias Voltage, V_R	V	5					
Maximum Optical Power Handling	dBm	26	23	20	18	16	13
Responsivity	max	8.5	15	26	40	64	145
	min	4	8	16	26	44	70
Wavelength Dependent Responsivity	dB	< 0.45					
Temperature Dependent Responsivity	dB	<0.45					
Polarization Dependent Responsivity	dB	<0.2					

All specifications are without fiber connectors.

Specifications (Continued):

Operating Temperature	°C	0 ~ +75
Storage Temperature	°C	-40 ~ +85
Directivity	dB	> 25, >30 (typical)
Dark Current 25 °C	nA	<0.5 (@RT), < 2(Top)
PD Cut-Off Frequency, $R_L = 50\Omega$, -3dB	GHz	1(Typical)
Linearity	%	+/- 10
Fiber Type	mm	SMF-28e or equivalent
Fiber Length	m	> 1
Package Size Standard Package	mm	8 Channel: 32(l)x(w)31x(h)6.5
Soldering Temperature	°C	250 (<10 sec)

Ordering Information:



Example: TAPD - U - S - A10 - CL - 05 - 1 - 1 - 0

Unidirectional TAP Detector 10-channel Array, 5% TAP ratio, C+L band wavelength, SMF-28e Bare Fiber, 1m, No connector

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